WASHINGTON STATE BOARD OF HEALTH

Working for a safer and healthier Washington since 1889

WAC 246-203-130 Keeping of Animals and Manure Management in Washington

June 11, 2014

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State of Washington
DEPARTMENT OF HEALTH
Seattle

Part 1--Book V

RULES AND REGULATIONS

OF THE

State Board of Health

SANITATION

General Sanitation

Revised and Adopted December 15, 1936

STATE PRINTING PLANT ⟨⟨⟩⟩ OLYMPIA, WASHINGTON

GENERAL SANITATION

Sec. 1. Definition of a Public or Common Nuisance—For the purpose of these ⌐ a public or common nuisance shall be considered as that which is set up, maint⌐ tinued, so as to be injurious to the health, or an obstruction to the use of prope⌐ ing with the repose, health, safety or life of any considerable number of per⌐

Sec. 2. Spitting—Spitting upon the floors or walls of a public building public assemblage, of a building used for manufacturing or industrial · floors or platforms or any part of any railroad or trolley car or ferry ⌐ conveyance, is prohibited.

Sec. 3. Common Towel—No person, firm, corporation or av⌐ or in control of any lavatory or wash room in any hotel, theat⌐ tory, school, church, store, office building, railway or trolle⌐ land, water or air, or other institution or conveyance fr⌐ be used for the purpose of public assembly or as a p⌐ about such lavatory or wash room any towel for cor⌐

The term "common use" in this section shall ⌐ portion of a towel by more than one person with⌐

Sec. 4. Common Drinking Cup—No per⌐ charge of, or in control of any hotel, theat⌐ store, office building, railway, trolley or ⌐ by land, water or air, or other institut⌐ may be used for the purpose of pub⌐ furnish any cup, vessel or other re⌐ eating purposes.

The term "common use" ir⌐ one person without adequat⌐

Sec. 14. Keeping of Animals—

(a) Any person, firm or corporation is prohibited from keeping or sheltering animals in such a manner that a condition resulting from same shall constitute a nuisance.

(b) In populous districts, stable manure must be kept in a covered water-tight pit or chamber and shall be removed at least once a week during the period from April 1st to October 1st and, during the other months, at intervals sufficiently frequent to maintain a sanitary condition satisfactory to the health officer. Manure on farms or isolated premises other than dairy farms need not be so protected and removed unless ordered by the health officer.

(c) Manure shall not be allowed to accumulate in any place where it can prejudicially affect any source of drinking water.

Stable Manure Nuisances

Keep animals and manure away from wellhead

Estimated Manure Generation

Animal	Animal Weight	Pounds Manure Per Day
Dairy Cow	1400	120
Beef (feeder)	1000	58
Horse	1000	51
Pig (growing)	65	5.5
Sow and litter	375	31.5
Sheep (feeder)	100	4
Laying Hen	4	0.26

Bucolic Farm Image

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Modern Animal Feeding Operations

Google Photo of Modern Animal Feeding Operation Near Royal City

Windrows of Manure

Manure Lagoon

Liquefied Manure Spraying

Spreading Liquefied Manure on Field

Tanker of Manure Applied to Harvested Field
Picture taken by SVID employee on 9/27/2011

Run-off of Liquid Manure from Field

Picture taken by SVID employee on 9/27/2011

Liquid Manure Entering the Irrigation Ditch
Picture by SVID employee on 9/27/2011

08.27.2011 13:36

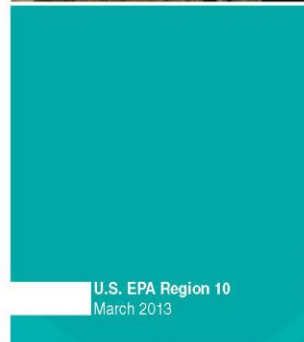# Dyke Failure of 21 Million Gallon Manure Lagoon April 2010 Near Snohomish River

March 2013
EPA Report

EPA-910-R-13-004 | www.epa.gov

Relation Between Nitrate in Water Wells and Potential Sources in the Lower Yakima Valley, Washington

U.S. EPA Region 10
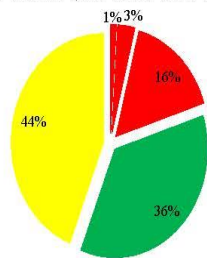March 2013

Phase 2 Results (331 water wells sampled)

1% 3%
16%
44%
36%

Phase 2 Nitrate Results

- 🟢 < 5 mg/L
- 🟡 $5 \leq 10$ mg/L
- 🔴 $10 \leq 25$ mg/L
- 🔴 $25 \leq 50$ mg/L
- 🔴 > 50 mg/L

▭   Yakama Reservation

N

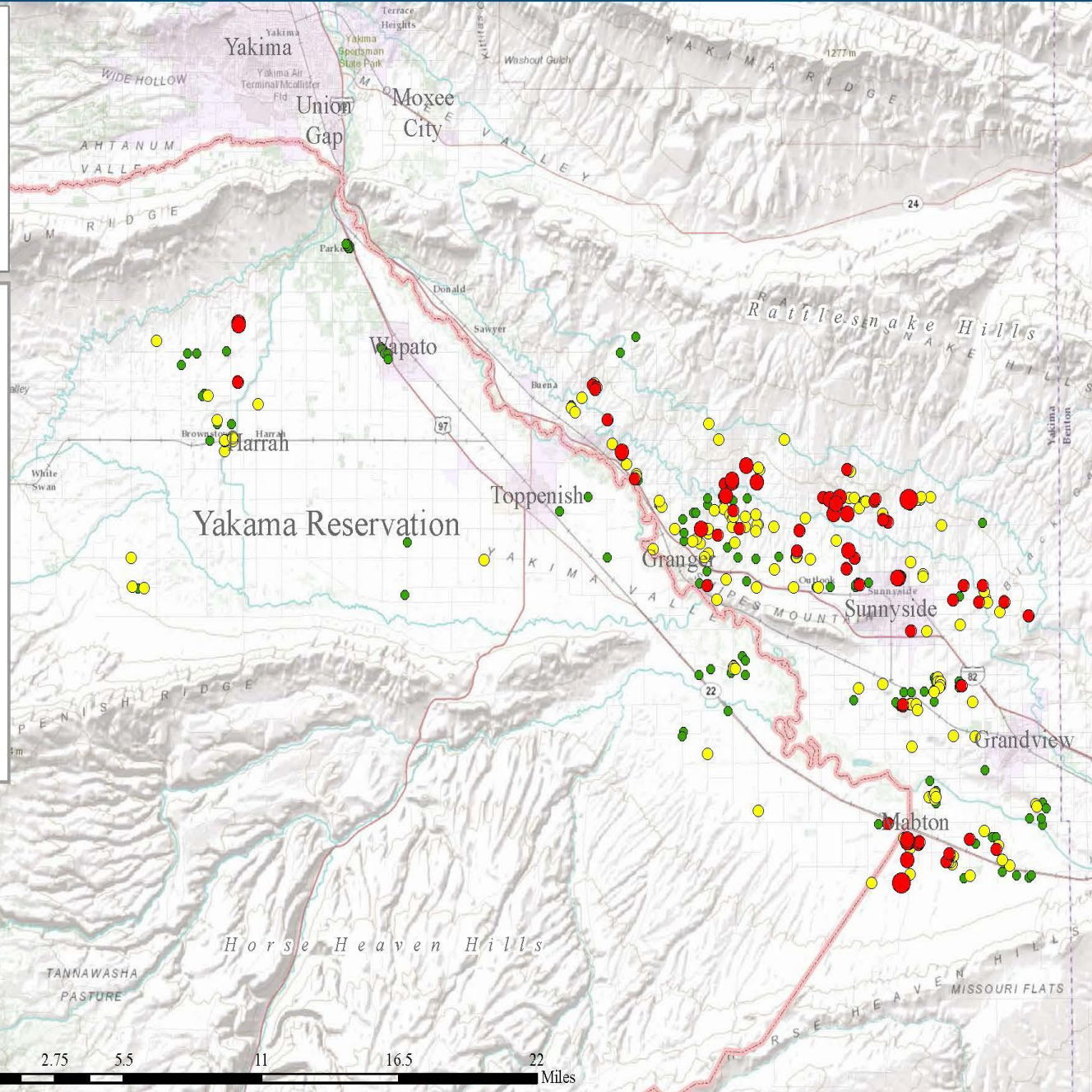0   2.75   5.5   11   16.5   22
Miles

Figure 10: Lower Yakima Valley Phase 2 Nitrate Sampling Locations and Results
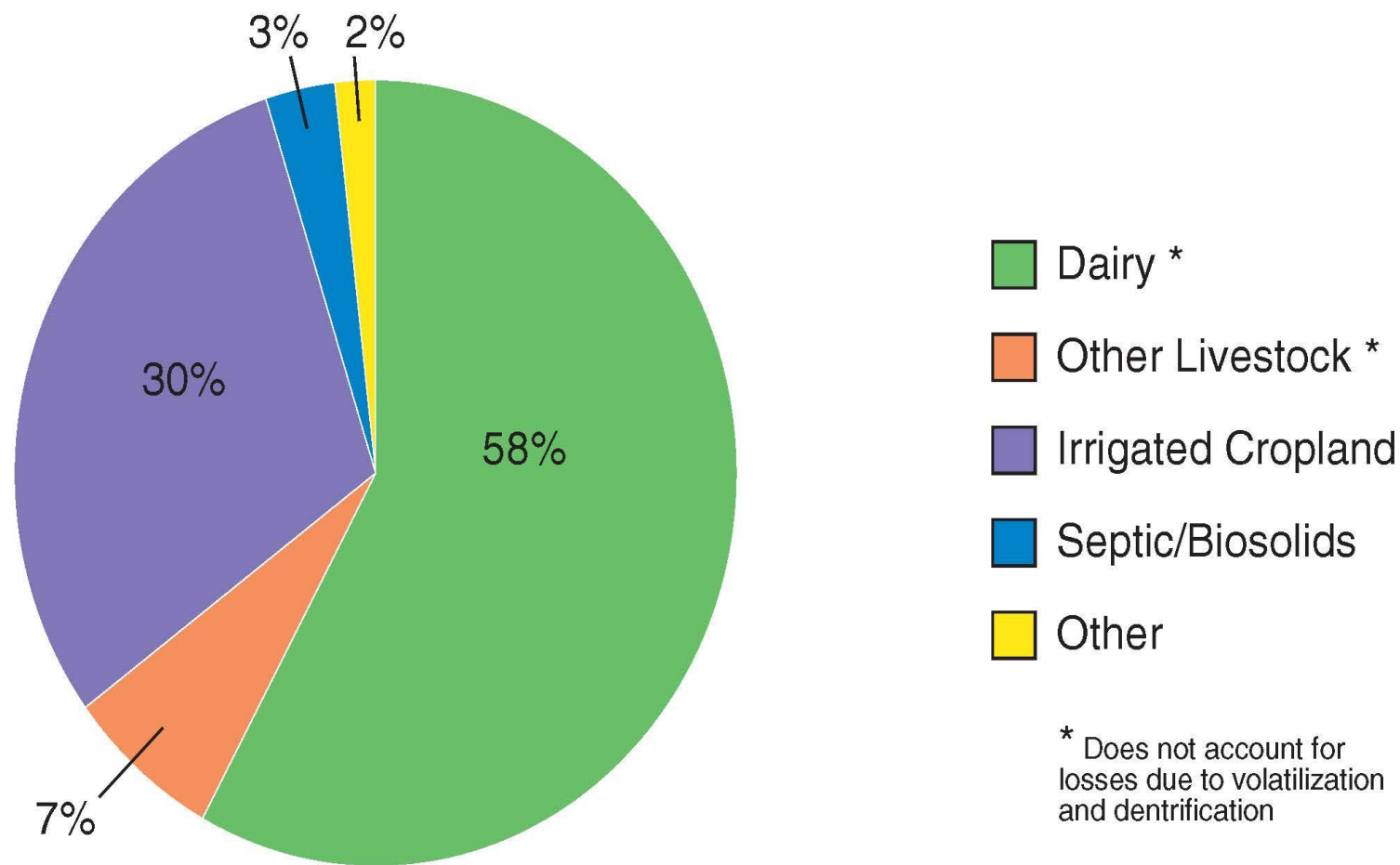
🟢EPA

Figure 6: Nitrogen Generated by Major Sources in Yakima County

The Board's mission "*to provide statewide leadership in developing and promoting policies that protect and improve the public's health*" includes rule-making.

It also includes listening to the public and promoting system partnerships.

Next Steps???

Modify WAC 246-203-130?

▸ Clarify applicability?

▸ Identify regulatory gaps?

▸ Work with other agencies to try to address regulatory gaps?

Promote system partnerships?

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